



USFK Training Solution (KORCOM) Joint Training Environment (JTE) Integration

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Using KORCOM Funding to Best Effect

- Current KORCOM Initiative (Multi-Year Effort @ \$30M+) Linked to Legacy Strategy
- Goal is to:
 1. Provide Joint M&S Solution Post Ulchi Focus Guardian (UFG) in FY13 Under USFK Framework
 2. Provide Joint M&S Solution Upon PACOM/KORCOM Framework (Post-2015)
 3. Align w/ DoD Mandates for Cloud-Enabled Modular Services Within a Training IT Enterprise Architecture.

- Goal #3 Not Achievable From Current KORCOM Initiative

- Need to Re-Scope Effort to Best Use Remaining Funding (\$28M in FY12+) to Address All 3 of the Above Goals

- Using Existing JLVC Solution With Some Enhancement Will Meet USFK Training Requirements

- Note: They May Not be Happy, Won't Be Customized As Much As They'd Prefer
- But . . . Best Use of DoD \$ in Era of Austerity

- We Can Address USFK Needs for UFG-14 and Beyond with \$16.6M Through FY18

- \$6.8M for JCATS/JLOD Robustness
- \$3.1M for AWSIM/JSAF (Releasable)/MTWS (Service Models) & Intell Models
- \$2.1M for Bridge to Korean Simulations
- \$3.2M for Systems Engineering, etc.
- \$1.4M for Missile M&S Enhancements (ESS/TSS)

- Want to Use Remaining \$12.3M Allocated to KORCOM Through FY18 for:

- \$4.2M for Chairman's Priorities (Cyber-\$2.2M, Hybrid Threats-\$0.9M, and Anti-Access/Area Denial-\$1.1M)
- \$1.1M for Special Focus on All Things Missile (ATM) (Also a Chairman's Priority)
- \$2.4M for Cross-Domain Info Sharing (CDIS)
- \$4.6M for Conversion of Legacy M&S to Cloud-Enabled Modular Services

This Most Economically Meets USFK's (and Ultimately, PACOM's) Training Needs and Moves the DoD Faster Toward an IT-Enabled Training Enterprise Architecture

	FY12	FY13	FY14	FY15	FY16	FY17	FY18	Total
JCATS/JLOD	\$1.2M	\$2.1M	\$2.1M	\$1.4M				\$6.8M
Service/Intell Models	\$1.8M	\$0.8M	\$0.5M					\$3.1M
K-Sims Bridge	\$0.7M	\$0.8M	\$0.4M	\$0.2M				\$2.1M
JST/Sys Engr/PM	\$1.5M	\$0.5M	\$0.6M	\$0.6M				\$3.2M
ATM/Korean Missile	\$0.8M	\$0.3M	\$0.3M	\$0.6M	\$0.2M	\$0.3M		\$2.5M
Chairman's Priorities	\$0.4M	\$0.6M	\$1.1M	\$0.9M	\$0.3M	\$0.2M	\$0.7M	\$4.2M
CDIS Solution	\$0.2M	\$0.7M	\$0.7M	\$0.2M	\$0.4M	\$0.2M		\$2.4M
Modular Services	\$0.6M	\$0.7M	\$0.8M	\$0.6M	\$0.5M	\$0.7M	\$0.7M	\$4.6M
Total	\$7.2M	\$6.5M	\$6.5M	\$4.5M	\$1.4M	\$1.4M	\$1.4M	\$28.9M

□ = JTEA/Cloud-Enabled Modular Services

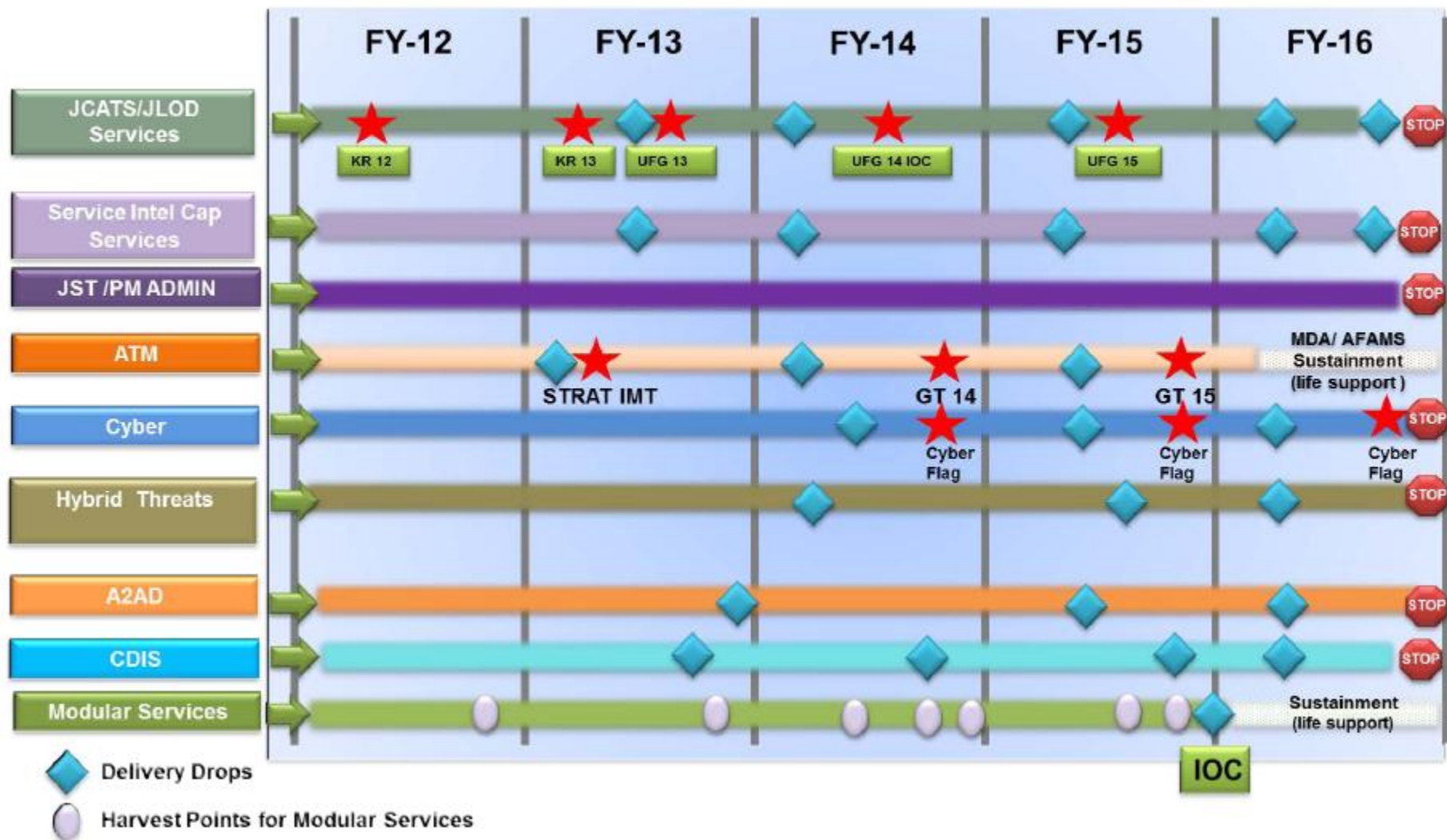
- Given That:

1. Current USFK Solution (CBS-RESA-AWSIM Federation) is Unsustainable
2. The Joint Live Virtual Constructive (JLVC) Federation Provides the Joint Context USFK Needs to Train Now and Once the Transition to KORCOM is Complete
3. WARSIM (U.S. Army Ground Model) Won't Be Ready to Integrate Into JLVC as Originally Expected
4. The Cost of Creating a "One-Off" or Stand-Alone Bridge to Link the JLVC With the Current Version of WARSIM Available to USFK is Excessive
5. DoD Guidance Points Toward a Joint Training Enterprise Architecture—the Direction Joint M&S is Headed
6. Current JLVC Has a Capable Ground Model (JCATS) and Low Overhead Driver (JLOD) Already Within the Federation

- JCW Intent is to:

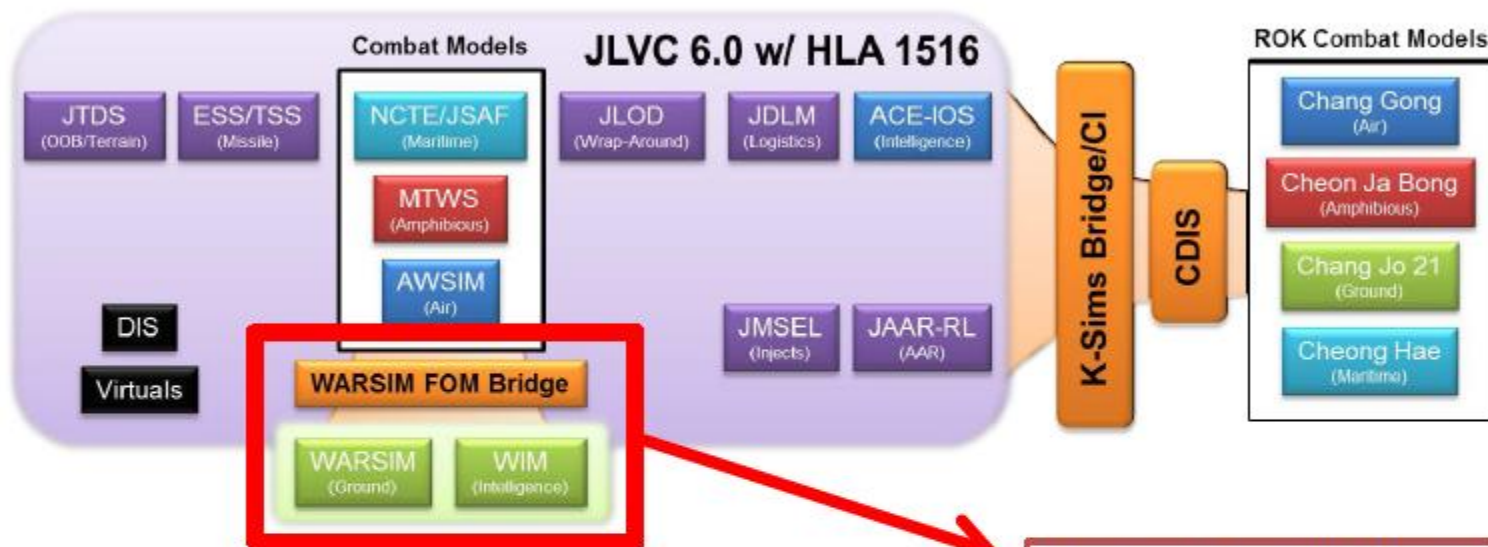
1. Provide USFK All the Capability in JLVC (AWSIM, JSAF, MTWS, and JCATS/JLOD, etc.) to Meet Ulchi Freedom Guardian (UFG) Training Requirements as a Solution Until a More Comprehensive Joint Training Enterprise Architecture is Fully Established
2. Work with the U.S. Army on Integrating WARSIM into the JLVC as Early as Possible From an Enterprise Perspective—Not as a Stand-Alone Capability for USFK
3. Accelerate the All Things Missile (ATM) Initiative to Serve DoD Training Needs and USFK's
4. Develop a DoD and USFK Cross-Domain Information Sharing (CDIS) Capability
5. Provide Additional Capability Enhancements According to JF2020 Needs (i.e., Cyber, Hybrid Threats, A2AD, etc.)
6. Move Future Joint M&S Development Toward Cloud-Enabled Modular Services Within the DoD IT Enterprise Architecture—PACOM/KORCOM Ultimately a Consumer of These Training Capabilities Once The Joint Training Enterprise Architecture is Established

USFK/JTEA Roadmap



KORCOM Architecture vs. USFK/JTEA Architecture

KORCOM Architecture



Major Change is JCATS vs. WARSIM & Elimination of WARSIM Bridge

USFK Architecture



Changes to KORCOM Initiative



- BLUF: High Cost of Planned Solution (Stand-Alone Bridge to WARSIM, etc.) is Untenable, Especially for a “One-Off” Solution--Need to Use Capabilities We Already Have (i.e., Existing JLVC) Until We Can Deliver Joint M&S Via Cloud-Enabled Modular Services Within a DoD IT Enterprise Architecture
- POM 14-18 Funding Looks Much Tighter Than We Thought
- JLVC With Some Enhancement to JCATS/JLOD Will Meet USFK's UFG Requirements
- Iterative Integration of WARSIM into the JLVC (Once for USFK's Needs and Later to Bring the USA Ground Model Version into the JLVC) in Quick Succession Doesn't Make Sense
- Most of the KORCOM Joint M&S Project Will Continue (i.e., Bridge to K-Sims, etc.)—But, Funding to Make WARSIM Interoperable with the JLVC for the USFK Use-Case as a Stand-Alone Capability in 2014/2015 Will be Directed Toward Joint Training Enterprise Architecture Development